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Karasev, M. F.
[illegible] THE PROBLEM OF D. C. MACHINE COMMUTATION CALCULATIONS (K Voprosu o Raschete Kommutatsii Mashin Postoyannogo Toka) tr. by V. Burdon 7 Sep 60 11p. Trafford Park trans. no. 2776 [DSIR LLU M. 3099]
Order from OTS or SLA $1.60 61-27544

T[illegible] of E[illegible] (USSR) 1949, no. 7, p. 30-36

DESCRIPTORS: *Commutators, *Direct current, Theory, Electrical equipment, Electrical industry, Mathematical analysis, *Electric machinery, Induction motors, Spark machining

An examination is made of the shortcomings of some earlier theories pertaining to commutation calculations with indication of the factors to be taken into account in such calculations.
(Engineering--Electrical, TT, v. 6, no. 12)

61-27544

I. Karasev, M. F.
II. AEI TP/T-2776
III. DSIR LLU M 3099
IV. Associated Electrical Industries, Ltd. (Gt. Brit.)

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Electrical Specifications, 13 pp.

(by O.T. LITVAKOV)

Full tr

RUSSIAN, Per Elektrichestvo, No 12, 1949, CIA 57[illegible]50
pp 72-75.

ATIC F-TS 3512/III

44, 870

Sci - Electronics
Dec 1956 CIB/dcx

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

A Simple Method of Obtaining Electric and Magnetic Field Vectors Through Electric and Magnetic Hertz Vectors, by S. V. Strakhov 13 pp.

RUSSIAN, Elektrichestvo, No 2, 1950, pp 43-46

Sci Museum No 51/2751

Scientific - Electricity

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Long Lines With Parameters Varying Along Their Length, by V. A. Il'in, 18 pp.

RUSSIAN, per. Elektrichestvo, No 2, 1950, pp 53-59. 0569819

ATD Report T-63-90

Sci - Electron
Aug 63

342,143

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Computation of Electromagnetic Drive for Electrospark Mach nes, by V. N. Shchepetov.

RUSSIAN, Elektrichestvo, 1950, No 6, pp 26-30.

Brutcher Tech Tr 2886

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

On the Application of Superposition in the Design of Nonlinear Circuits, by A. V. Netushil, 4 pp.
UNCLASSIFIED

RUSSIAN, per, Elektrichestvo, No 8, 1950, pp 53-56.

Navy Tr 610/NRL 442

Scientific - Electricity Aug 53 CTS/DEX

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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Certain Problems in the Design of Impulse Voltage Generators, by Kreps-Grinberg A. V. Stukachev.

RUSSIAN, mo per, Elektrichestvo, No 9, 1950, pp 39 - 45.

AEC tr 1100

Sci - Electricity

Dec 51 CTS

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Relay - Type Direct Current Amplifiers (Trigger Circuits), by A. A. Sokolov, 15 pp.

RUSSIAN, per, Elektrichestvo, No 10, 1950, pp 72-83.

CIA/FDD/Z-70

Scientific - Electricity
CTS/DEX

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Unusual Features in the Distribution of Earth Leakage Currents in Main Railway Lines, by V. S. Kalmun.

RUSSIAN, per, Elektrichestvo, No 11, 1950, pp 33-37.

NLL RTS 2136

Sci - Geophys
Mar 68

223,624

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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Dielectric Properties of Mica, by A. A. Vodop'yanov.

RUSSIAN, no per, Elektrichestvo, No 11, 1950, pp 78 - 81.

ABC Tr 1103
RUSSIAN to FRENCH 6, 1870 62-26175)

Sci - 1103

Dec 51 CTS

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Maximum of the Asynchronous Motor as a Function of Slipping, by A. A. Kfendi-Zade

Full tr

RUSSIAN, no per, Elektrichestvo, No 12, 1950, pp 19,20.

Navy Tr 1398/BRL 511

Sci - Electricity
Dec 56 CIS

41, 169

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Mil'shtein, V. N. and Rabinovich, A. D.
ONDERZOEK VAN PROCESSEN IN ELECTRISCHE KETENS MET VERANDERLIJKE PARAMETERS
(Investigation of processes in electric circuits with varying parameters). 9p. + refs. MTWL: 684.
(Text in Dutch).
Order from OTS or ETC $1.55 61-17369

Trans. of Elektrichestvo (USSR) 1951, no. 2, p. 68-70.

DESCRIPTORS: Circuits, *Electric currents, Resistance, Capacitance, Analysis.

61-17369

I. Mil'shtein, V. N.
II. Rabinovich, A. D.
III. MTWL-684
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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A Study of the Dynamics of a System of Automatic Control by the Method of a Generalized Integral Criterion, by A. A. Feldbaum. USCL

RUSSIAN, per, Elektrichestvo, No 7, 1951, pp 18-24.

DSIR LLU RTS 1345

(17s.6d.)

Sci - Misc

May 60

116,594

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Arc .. Backs in Series - Connected Rectifier Units,
by Ye. P. Kovalevskaya.

RUSSIAN, per, Elektrichestvo, No 7, 1951,
pp 33-36.

MLL M 8824

Sci - Electronics
Mar 53

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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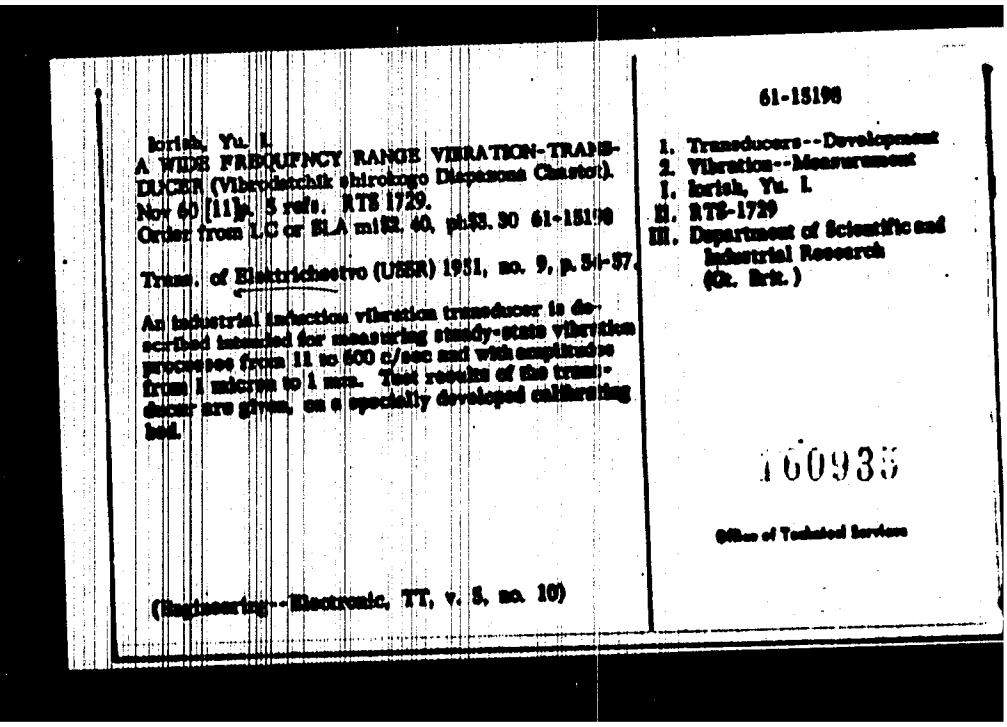

Iorish, Yu. I.
A WIDE FREQUENCY RANGE VIBRATION-TRANSDUCER (Vibrodatchik shirokogo Diapazona Chastot).
Nov 60 [11]p. 5 refs. RTS 1729.
Order from LC or SLA mi52. 60. ph33. 30 61-15198

Trans. of Elektrichestvo (USSR) 1951, no. 9, p. 54-57.

An industrial inductive vibration transducer is described intended for measuring steady-state vibration processes from 11 to 600 c/sec and with amplitudes from 1 micron to 1 mm. Test results of the transducer are given, on a specially developed calibrating bed.

(Engineering--Electronic, TT, v. 5, no. 10)

61-15198

1. Transducers--Development
2. Vibration--Measurement
I. Iorish, Yu. I.
II. RTS-1729
III. Department of Scientific and Industrial Research (Gt. Brit.)

160935

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D. C. Motor With Split Poles, by V. I. Serebryer, 4 pp.

RUSSIAN, per, Elektrichestvo, No 10, 1951, pp 30-34.

CIA/FDD/X-1126

6328

Scientific - Engineering
CTS/DK

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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The Effect of the Structure of Cable Insulating Paper on Its Dielectric Strength, by V. N. Yoffe, 3 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1951, pp 40-43.

CIA/FDD/X-1125

Scientific - Engineering
CTS/DEX

6327

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Electromechanical and Electrospark Machining of Metals at Low Voltages, by V. N. Nevezhin.

RUSSIAN, Elektrichestvo, 1951, No 11, pp 62-70.

Brutcher Tech Tr No 2911

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

(FDD 20941)

Academician G. M. Krzhizhanovskiy (His 80th Birthday)
by Prof K. A. Krug, 5 pp.

RUSSIAN, mo per, Elektrichestvo, No 2, Moscow,
Feb 1952, pp 89, 90.

CIA/FDD/U-6026

USSR
Sci - Engineering, power, scientist 15,658

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

(FDD 21676)

Professor L. A. Zhekulin (On His 50th Birthday), by V. M. Lavrov, 5 pp.

RUSSIAN, mo per, Elektrichestvo, No 3, Moscow, Mar 1952, p 94.

CIA/FDD/U-6261

18,367

USSR
Sci - Engineering, electrical
Bio

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Improved methods of Thermal Calculation of Cables, by S. M. Braghin.

RUSSIAN, per, Elektrichestvo, No 5, 1952, pp 5-10.

SML 53/0722

Scientific - Electricty

CTS 3495

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Theory of the Method of Subcircuits, by G. Ye. Pukhov, UNCLASSIFIED

RUSSIAN, per, Elektrichestvo, No 8, Aug 1952, pp 65-73, Encl to FDD PA 235-T-35.

AF 589506

USSR
Scientific - Electricity

7332

Nov 53 CTS

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Method of Accurate Stabilization of a d.c. Voltage,
y M. A. Zemelman

MESIAN, per, Elektrichestvo, 1952, No 8, pp 74-75.

D.S.I.R Tr No T.C.L. 45

1084

Scientific - Electricity

Trans No 49, Apr 1953

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

(FDD 1962)

Prof. L. R. Neyman, His Fiftieth Birthday, by A. A. Gorev, 5 pp.

RUSSIAN, po per. Elektrichestvo, No 8, Moscow, Aug 1952, pp 92, 93.

CIA/FDD/U-5366

USSR

Sci - Electricity, personalities Jan 54

9780

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

The Igniting Power of an Electric Spark Discharge, by V. S. Kravchenko, 14 pp. UNCLASSIFIED

RUSSIAN, mo per, Elektrichestvo, No 9, USSR, 1952, Engl to NA, London, Ser 328-55, pp 21-27.

TPA3/TIB T 4182

Scientific - Electricity
CIS 71/Aug 1955

26, 149

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

To the Theory of Determining the Permeability of Metal Ferromagnetics and Magneto-dielectrics According to Experimental Results, by K. M. Polivanov, 29 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1953, pp 19-29.

9036578

Morris D. Friedman

Sci - Electronics

Feb 53

81,146

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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Calculation of Transient Processes in Long Lines by Means of Bessel Functions of Two Independent Variables, by P. I. Kuznetsov, 16 pp.

RUSSIAN, per, Elektrichestvo, No 5, 1953, pp 35-40. 9204397

Emmanuel College Res Center
E-T-R-R-62-50
CTS 61-18787

326,659

Sci - Mathe & Data Proc
Mar 63

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

The Influence of Operating Conditions of
Elektrichestvo, by I. P. Isayev.
RUSSIAN, per, Elektrichestvo, 1953, No 7,
pp 12-19.
NLL RTS 2709 (On Loan or Purchase)

Aug 65 288,833

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Nature of the Ionic Current in an Ionic Valve at High Inverse Voltages, by V. L. Granovskii, I. A. Lukatska.
RUSSIAN, per. Elektrichestvo, No 8, 1953, pp 49-53.
HLL Ref: 2774.5 (1556)

Sci-Phys
Aug 68

363.637

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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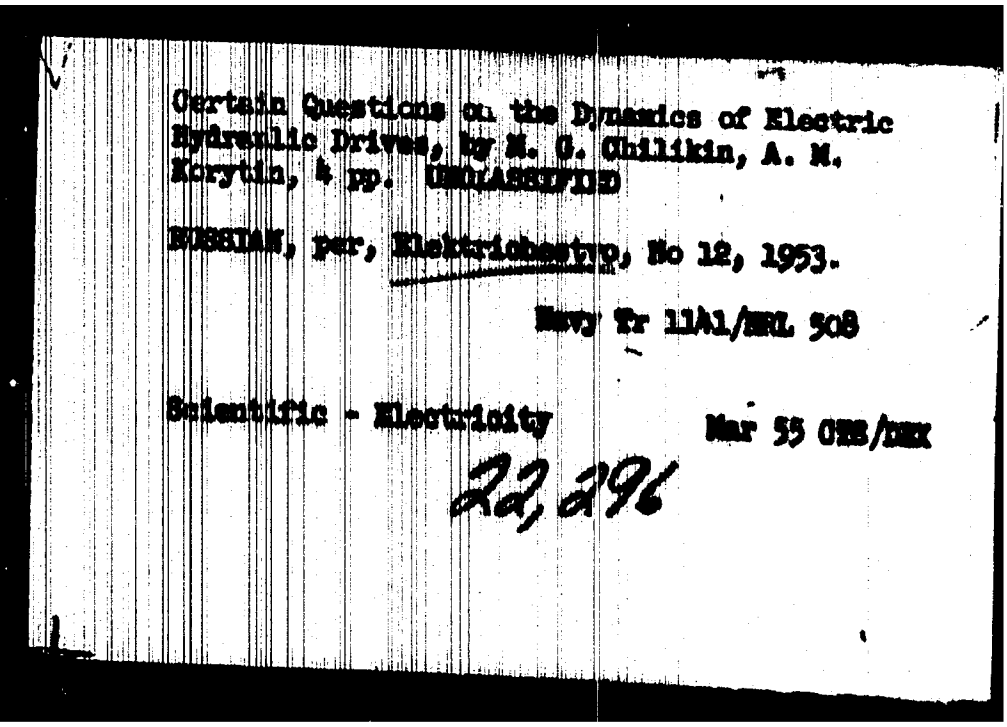

Certain Questions on the Dynamics of Electric Hydraulic Drives, by M. G. Chilikin, A. M. Korytin, 4 pp. UNCLASSIFIED

RUSSIAN, Per, Elektrichestvo, No 12, 1953.

Navy Tr 11A1/NRL 508

Scientific - Electricity Mar 55 CRS/MRK

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

I. Ye. Balygin

Electrical Breakdown of Liquid Dielectrics (A Review)
13 pp.
RUSSIAN, Elektrichestvo, No 1, 1954, pp 89-92
AIR/FTL-HT-23-772-72

jan 73

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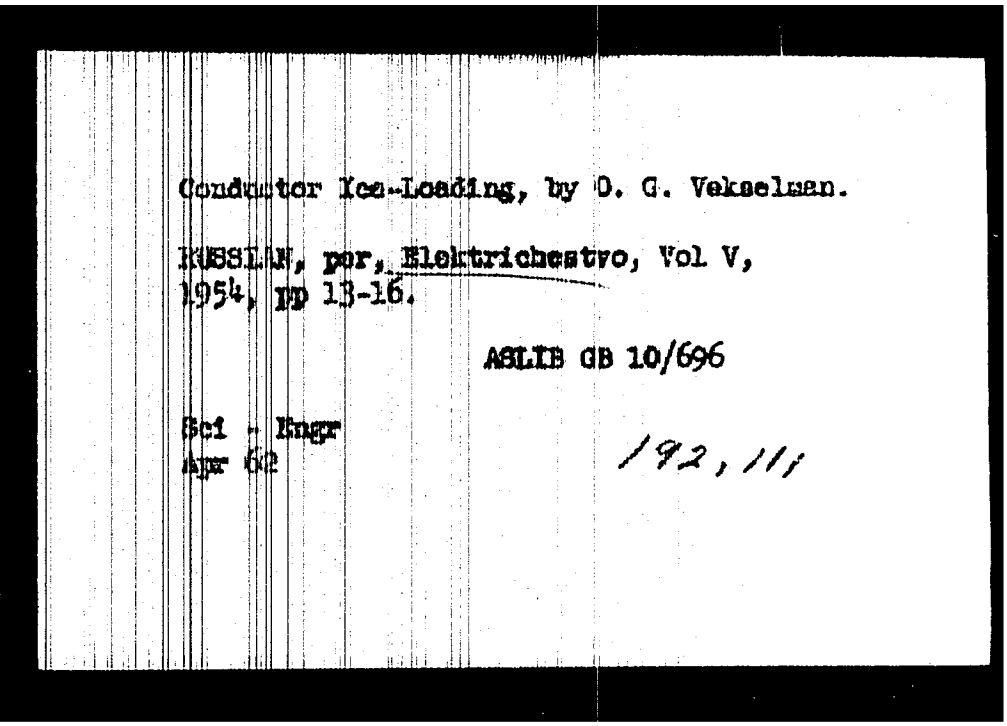

Conductor Ice-Loading, by O. G. Vekselman.

RUSSIAN, per, Elektrichestvo, Vol V,
1954, pp 13-16.

ASLIB GB 10/696

Sci - Engr
Apr 62

192, 111

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

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Zaitsev, I. A. and Kalyaev, A. V.
DIRECT CURRENT MEASURING TRANSFORMER, tr. by Yuri Kasander. 2 Oct 53, 11p (figs omitted) 4refs
Order from OTS, SLA, or ETC $1.60 TT-63-23699

Trans. of Elektrichestvo (USSR) 1954, no. 2, p. 21-25 (Abstract available)

DESCRIPTORS: *Direct current, *Transformers, *Measuring devices (Electrical and electronic), *Frequency multipliers, Electric potential.

Proposal is made to use an ordinary ferromagnetic frequency doubler operating in a short-circuit as a measuring transformer for direct current and voltage. Theoretical analysis of its operation is made. Experimental data are given. (Author)

(Engineering--Electrical, TT, v. 11, no. 6)

TT-63-23699

I. Zaitsev, I. A.
II. Kalyaev, A. V.

Office of Technical Services

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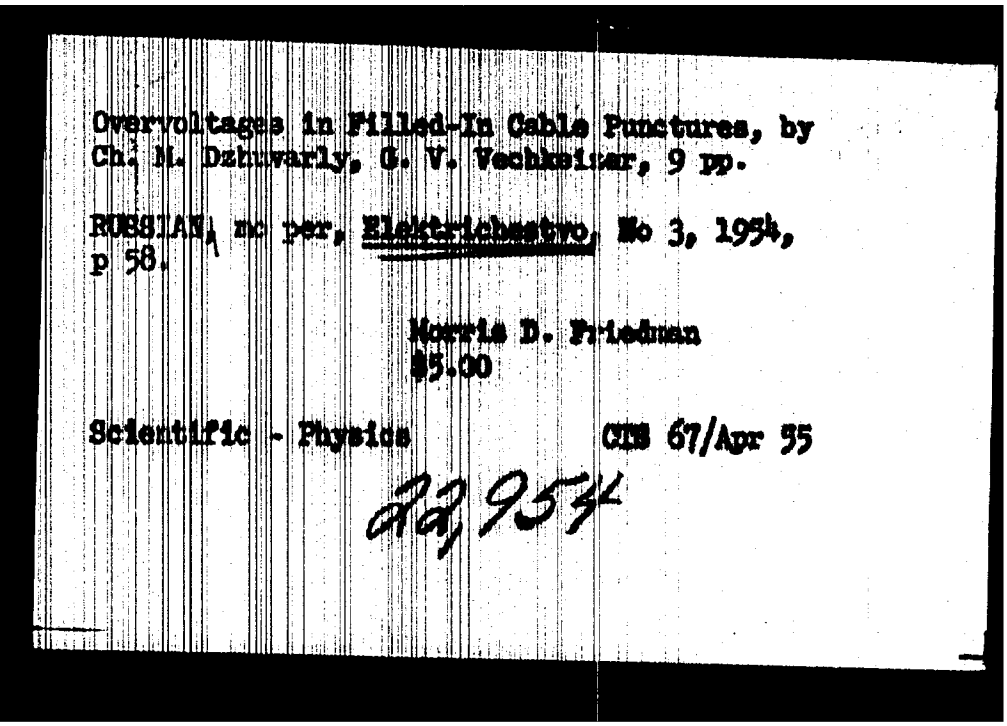

Overvoltages in Filled-In Cable Punctures, by Ch. M. Dzhuvarly, G. V. Vechkelzer, 9 pp.

RUSSIAN, no per, Elektrichestvo, No 3, 1954, p 58.

Morris D. Friedman
$5.00

Scientific - Physics CIS 67/Apr 55

AD 9534

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

D. M. Kazarnovskiy's Book, "Testing Technical Radio Materials and Parts," by F. I. Zavalishin, 7 pp, (AF 630332). UNCLASSIFIED

RUSSIAN, per, Elektrichestvo, No 5, 1954, pp 95, 96. CIA D 217016

24,402

ATIC F-TS-8427

Scientific - Electricity CTS 69/Jun 55

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

SELF-OSCILLATION OF AN IONIC FREQUENCY CHANGER BY INDUCTION MOTORS, BY V. A. LABUNTSOV.

RUSSIAN, PER, ELEKTRICHESTVO, X NO 6, 1954, PP 46-52.

NLL RTS 1969

SC - ELECTRICITY OTS 62-19154

JUN 62 199,892

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Nazarov, V. G.
ELECTRETS AND THEIR APPLICATION IN ELECTRICAL ENGINEERING. [1962] 10p. 7 refs.
Order from OTS or SLA $1.10 63-10776

Trans. of Elektrichestvo (USSR) 1954, no. 7, p. 60-62.

DESCRIPTORS: *Electric insulation, Electrical engineering, Magnetic properties, *Electrets.

The electrical insulation material - electrets, which have a constant electrification and properties analogous to the ones of permanent magnets are investigated. The application of electrets in the various fields of electrical engineering is discussed and data of the processing technology are given. (Author)

(Engineering--Electrical, TT, v. 9, no. 10)

63-10776

I. Nazarov, V. G.

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

Use of Self-Synchronization Method for Parallel Switching of Synchronous Machines, by I. Syromyatnikov.

RUSSIAN, per, Elektrichestvo, No 8, Aug 1954, pp 3-9. GR 125

UKSM BE 772

58,220

Del - Engr

Feb 58

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690032-4

The Effect of the Compositions of the Inter-Electrode Medium of the Wear of a Disc-Cathode and on the Efficiency of the Electro-Erosion Method of Cutting Metals, by V. K. Nevezhin,

RUSSIAN, per, Elektrichestvo, No 8, 1954, pp 52-57.

76, 772

Co-op Tr Sch Tr 140
L2.8s. (6s.0d)

Scientific - Electronics Sep 55 CTS

AS41B-GB7

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agnetic Amplifiers, 18 PP, (AF 638447).
NCLASSIFIED

USSIAN, Per. Elektrichestvo, No 8, 1954,
p 67-72. CIA D 21701?

ATIC F-TS-8428

cientific - Electronics, Electricity
CTS 69/Jun 55

24401

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